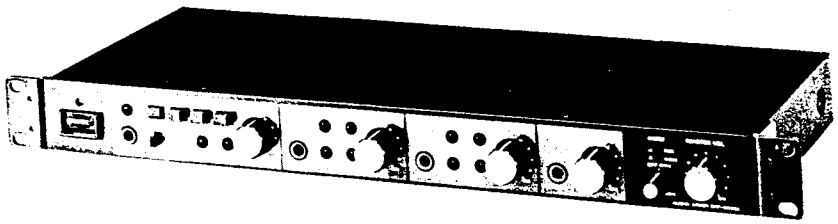
SRP-X6004

SERVICE MANUAL

SONY -08948

AEP Model
UK Model



SPECIFICATIONS

Input

Connector	Type of connector	Number of channels	Reference input level		Maximum input level	Input impedance	Type of circuit
❶	phono jack	4 stereo	-10 dBs		+20 dBs	13 k ohms	unbalanced
❷	ø6.3 phone jack (front)	1	MIC	-60 dBs	-40 dBs	1 k ohms	unbalanced
			ATT	-45 dBs	-25 dBs	2.8 k ohms	
	XLR-3-31 type (rear)	1	LINE	-10 dBs	+10 dBs	15 k ohms (front) 26 k ohms (rear)	balanced
❸	ø6.3 phone jack (front)	1	MIC	-60 dBs	-40 dBs	1 k ohms	unbalanced
			ATT	-45 dBs	-25 dBs	2.8 k ohms	
	XLR-3-31 type (rear)	1	LINE	-10 dBs	+10 dBs	15 k ohms (front) 26 k ohms (rear)	balanced
❹	ø6.3 phone jack (front)	1	-60 dBs		-40 dBs	1 k ohms	unbalanced
	XLR-3-31 type (rear)	1					balanced
EFF RTN	phono jack	1 stereo	-10 dBs		+20 dBs	10 k ohms	unbalanced

Output

Connector	Type of connector	Number of channels	Reference output level		Maximum output level	Rated load impedance	Type of circuit
OUTPUT	XLR-3-32 type	1 stereo	MASTER	+4 dBs	+20 dBs	600 ohms or more	balanced
			BUS	-10 dBs	+14 dBs		
	phono jack	1 stereo	MASTER	+4 dBs	+20 dBs	10 k ohms or more	unbalanced
			REC	-5 dBs			
EFF SEND	phono jack	1 monaural (2 jacks)	-5 dBs		+20 dBs	10 k ohms or more	unbalanced
PHONES	ø6.3 stereo phone jack	1 stereo	——		20 mW (8 ohms)	8 ohms or more	unbalanced

Frequency response 20 Hz - 20 kHz $^{+0.5}_{-1.5}$ dB (at 1kHz)
Harmonic distortion Less than 0.05%
(MASTER VOL -10 dB, 1 kHz,
LEVEL -10 dB, +4 dB output)
Signal to noise ratio Channel 1 +92 dB (IHF-A)
Equivalent input noise Channel 2, 3
MIC -127 dBs (IHF-A)
ATT -112 dBs (IHF-A)
LINE -77 dBs (IHF-A)
Channel 4 -127 dBs (IHF-A)
Residual noise Less than -100 dBs
(MASTER VOL at "MIN")

Cross-talk Lesss than -60 dB (1 kHz)
Tone control Channel 1 High: 10 kHz ±15 dB
Low: 100 Hz ±15 dB
Channel 2, 3
High: 6 kHz ±15 dB
Low: 500 Hz ±15 dB
Dimensions Approx. 430 × 44 × 175 mm (w/h/d)
without including projecting parts
Weight Approx. 3 kg
Power requirements 230 V AC, 50/60 Hz
Power consumption 7.5 W
Supplied accesory Power cord (1)

Design and specifications subject to change without notice.

AUDIO MIXER

SONY

MICROFILM

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FEATURES

One stereo and three monaural channel inputs with various connecting possibilities

For channel 1, four pairs of stereo line inputs are provided. The monaural inputs with wide level range for channel 2 and 3 accept either line or microphone input signals. Channel 4 is for microphone input only.

Tone control circuits for each channel

Each channel is equipped with high- and low-range equalizing circuits to reproduce sound sources in a well-balanced condition.

Paging function

Setting the PAGING switch to ON, the sound level of the BGM (channel 1 inputs) will be automatically faded by 13dB (typ.) when a signal is fed to a monaural input (channel 2, 3 or 4). This "paging" function is especially efficient in calling the attention of guests without cutting of the music.

Balanced type connectors

Equipped with XLR type connectors for the inputs (channels 2 - 4) and the master outputs, the unit is compact and light-weight, and the wide frequency range and low noise design is actuarized.

SAFETY-RELATED COMPONENT WARNING!!

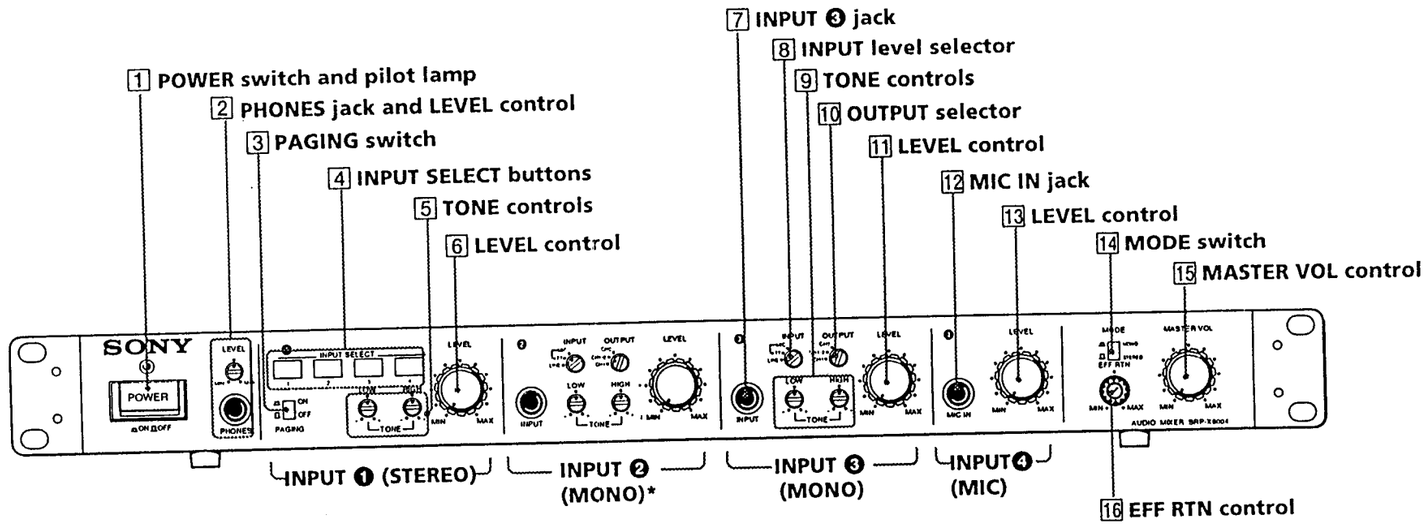
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

This section is extracted from instruction manual.

Location and Function of Parts

Front panel



*Function of parts of INPUT ❷ is the same as those of INPUT ❸.

1 POWER switch and pilot lamp
Press the switch to turn on the unit. The pilot lamp will light up.

2 PHONES jack and LEVEL control
Accepts headphones having an impedance of 8 ohms or more. The LEVEL control adjusts the output level of the headphones connected to the PHONES jack.

3 PAGING switch
Set to ON to use the paging function.
The output sound volume of input channel 1 will be automatically faded by 13 dB (typ.) when a signal is fed to the monaural input (channel 2, 3 or 4). When the monaural input signal stops entering, the sound level of channel 1 will be resumed.
This paging function is efficient in calling the attention of guests without cutting off the BGM; when you speak into the microphone, the BGM sound will be lowered and when you stop speaking, the BGM sound will be resumed.

4 INPUT SELECT buttons (for INPUT ❶)
Press a button to select an input from four line inputs (the rear INPUT ❶ connectors).

5 TONE controls (for INPUT ❶)
Adjust the tone for channel 1. The HIGH control adjusts the high frequency range and the LOW control adjusts the low frequency range.

6 LEVEL control (for INPUT ❶)
Adjusts the signal level of input channel 1 (stereo) going to the outputs.

7 INPUT ❸ jack (phone jack)
Connect a microphone or a line output (monaural) of a tape deck, etc.
When a plug is connected to the rear XLR-3-31 type INPUT ❸ connector, the front input has priority over the rear input and the signal from the rear connector is cut off when a plug is connected to the front INPUT ❸ jack.

8 INPUT level selector (for INPUT ❸)
Turn this selector with something like a screwdriver to set the standard input level according to the input signal fed to front/rear INPUT ❸ connectors.
LINE: -10 dBs, ATT: -45 dBs, MIC: -60 dBs

9 TONE controls (for INPUT ❸)
Adjust the tone for channel 3. The HIGH control adjusts the high frequency range and the LOW control adjusts the low frequency range.

10 OUTPUT selector (for INPUT ❸)
Select the output channel as follows.
CH1: The signal from INPUT ❸ is fed to the output CH-1 alone.
CH1+2: The signal from INPUT ❸ is fed to both output CH-1 and CH-2.
CH2: The signal from INPUT ❸ is fed to the output CH-2 alone.

11 LEVEL control (for INPUT ❸)
Adjusts the signal level of channel 3 going to the outputs.

12 MIC IN jack (phone jack)
This is a monaural input only for the microphone.
When microphones are connected to both this MIC IN jack and the rear XLR-3-31 MIC IN connector, the front MIC IN jack has priority over the rear MIC IN connector and the signal from the rear MIC IN connector is cut off.

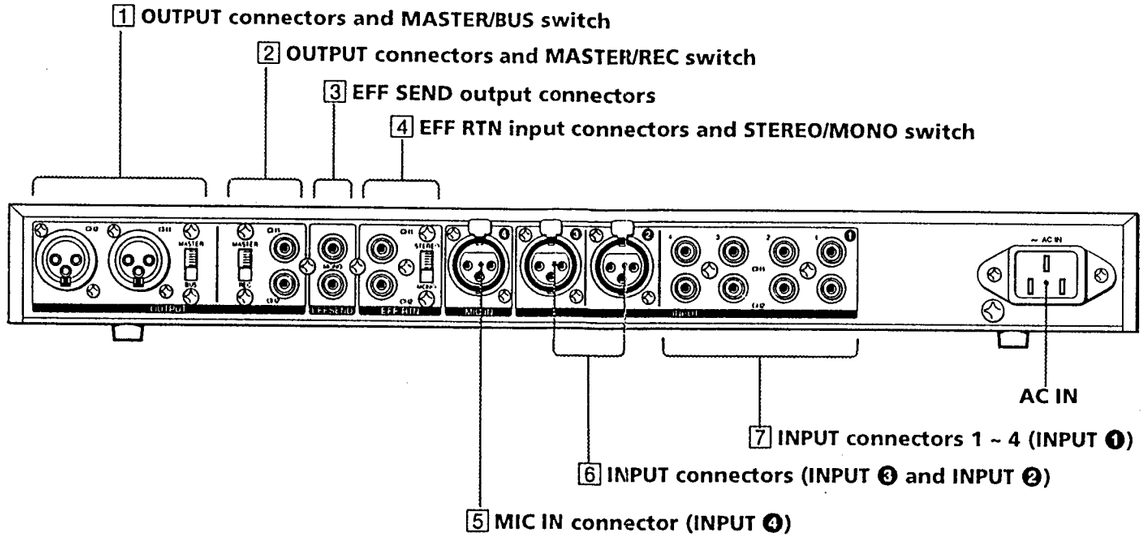
13 LEVEL control (for INPUT ❹)
Adjusts the signal level of channel 4 (MIC IN) going to the outputs.

14 MODE switch
Sets the output signal of the OUTPUT connectors STEREO or MONO.

15 MASTER VOL control
Adjusts the output level at the OUTPUT connectors.

16 EFF RTN control
Adjusts the level of the input signal at the EFF RTN input connectors.

Rear panel

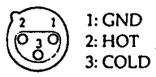

1 OUTPUT connectors and MASTER/BUS switch
2 OUTPUT connectors and MASTER/REC switch
3 EFF SEND output connectors
4 EFF RTN input connectors and STEREO/MONO switch
AC IN
7 INPUT connectors 1 ~ 4 (INPUT ❶)
6 INPUT connectors (INPUT ❸ and INPUT ❷)
5 MIC IN connector (INPUT ❹)

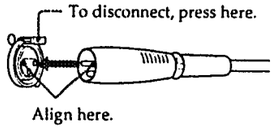
1 OUTPUT connectors (XLR-3-32 type, balanced) and MASTER/BUS switch

Feed out the mixed line output signals. The MASTER/BUS switch selects the master output or the cascade output.

Setting the switch to MASTER, the connectors output the mixed signal of which level is adjusted by the MASTER VOL control.

Setting the switch to BUS, the connectors output the mixed signal without passing the MASTER VOL control. Use this position in the cascade connection and connect this OUTPUT connectors to the BUS IN connectors of another mixer.





2 OUTPUT connectors (phono jack, unbalanced) and MASTER/REC switch

Feed out the same signals (unbalanced, however) as the XLR-3-31 type OUPUT connectors.

Setting the switch to MASTER, the connectors output the mixed signal of which level is adjusted by the MASTER VOLUME control .

Setting the switch to REC, the connectors ouput the mixed signal without passing the MASTER VOL control.

3 EFF SEND output connectors (phono jack, unbalanced)

Feed out the mixed signal of input channel 2, 3 and 4 in monaural. Use to send signals to an echo machine, etc.

4 EFF RTN input connectors (phono jack, unbalanced) and STEREO/MONO switch

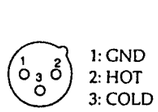
Used to accept signals returned from an echo machine, etc. Set the STEREO/MONO switch according to the output signal from the echo machine.

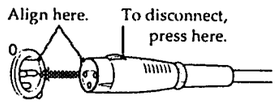
When the output signal from the connected echo machine is stereo, set this switch to STEREO so that the EFF RTN CH1 and CH2 connectors accept signals returned from an echo machine in stereo.

When the output signal from the connected echo machine is monaural, set this switch to MONO so that the both EFF RTN connectors accept the same signals returned from an echo machine.

5 MIC IN connector (INPUT ❹) (XLR-3-31 type, balanced, monaural)

Connect a microphone. When a microphone is connected to the front MIC IN jack, the signal fed to this connector will be cut off.





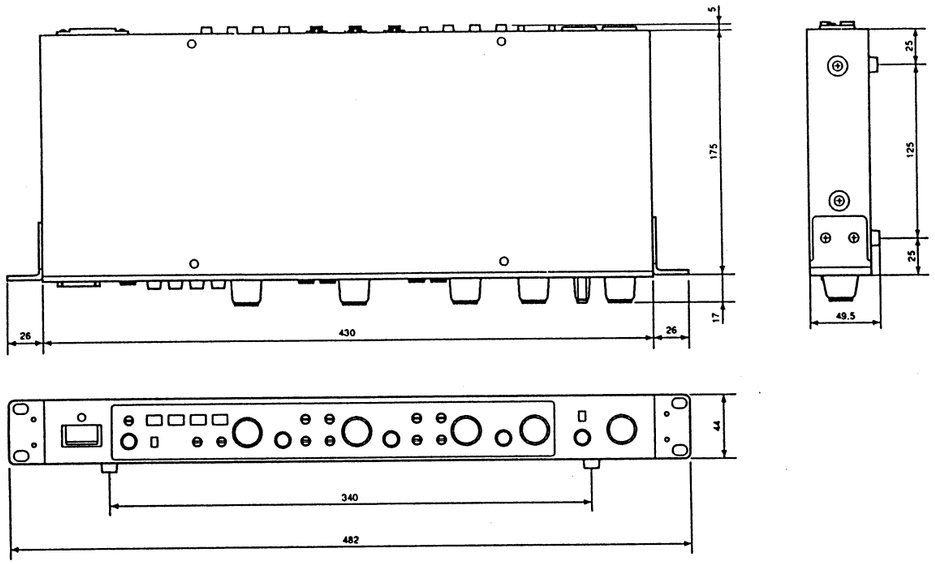
6 INPUT connectors (INPUT ❸ and INPUT ❷) (XLR-3-31 type, balanced, monaural)

Accept line-out signals of tape decks, etc. or microphone signals. When a plug is connected to the front INPUT jack, the signal fed to the rear INPUT connector of the same channel will be cut off.

7 INPUT connectors 1 ~ 4 (INPUT ❶) (phono jacks, unbalanced, stereo)

Accept line-out stereo signals of tape decks, CD players, etc. With the front INPUT SELECT buttons, select the input source from the 4 available line inputs.

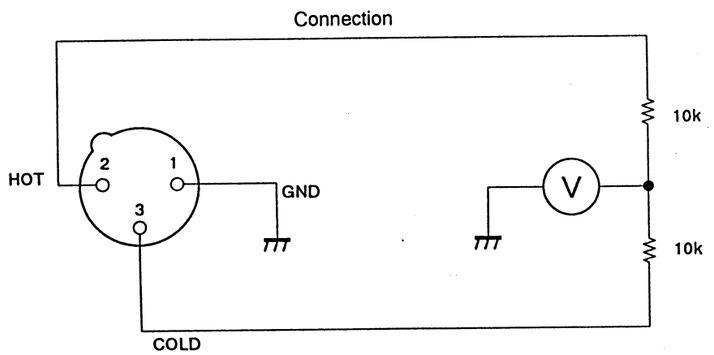
Dimensions



SECTION 2
ADJUSTMENT

[Balanced Output DC Balance Adjustment]

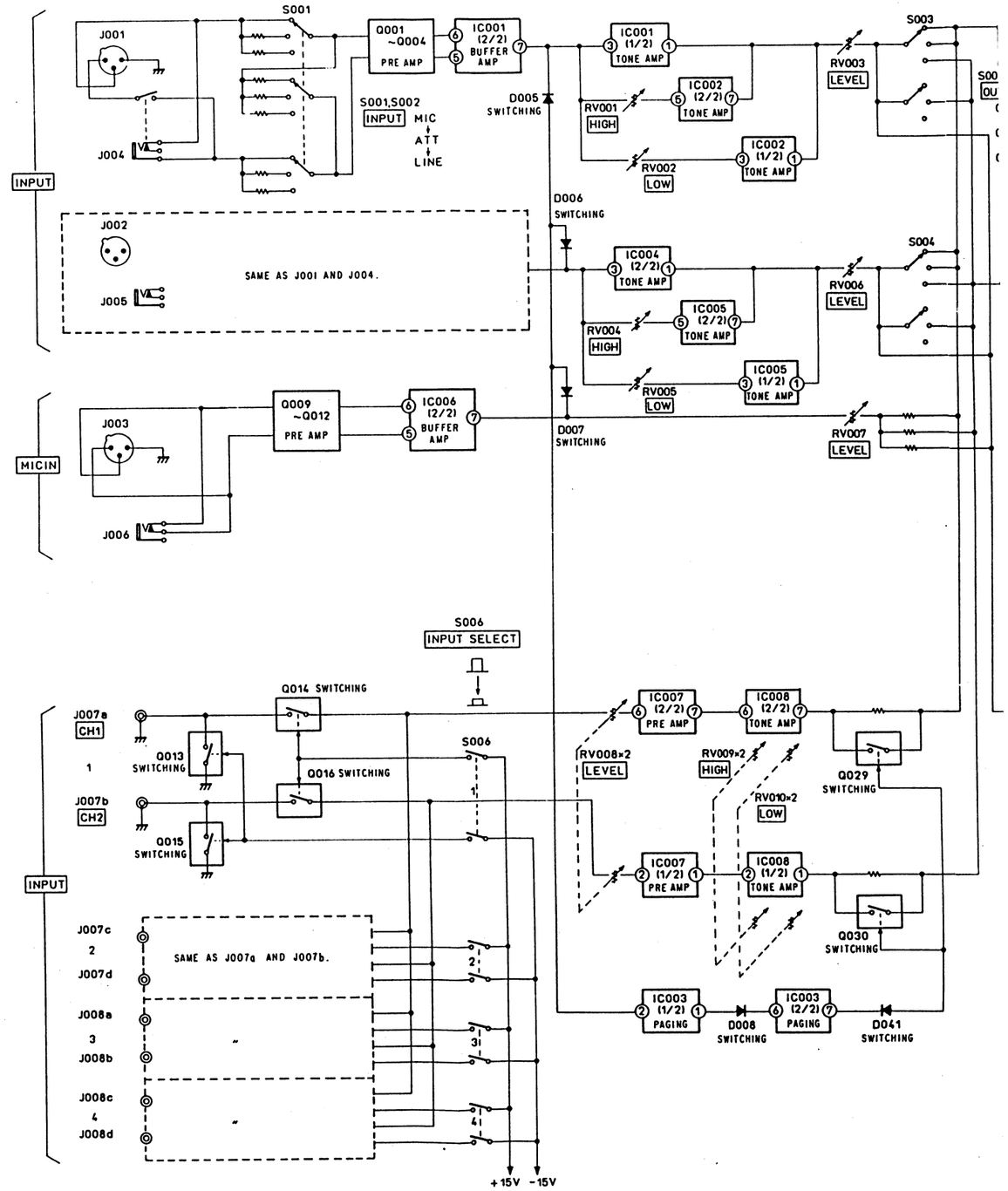
Without connecting the other, adjust RV014 and RV015.



Connect a voltmeter as above, adjust RV014 and RV015 so that the voltage is minimum.

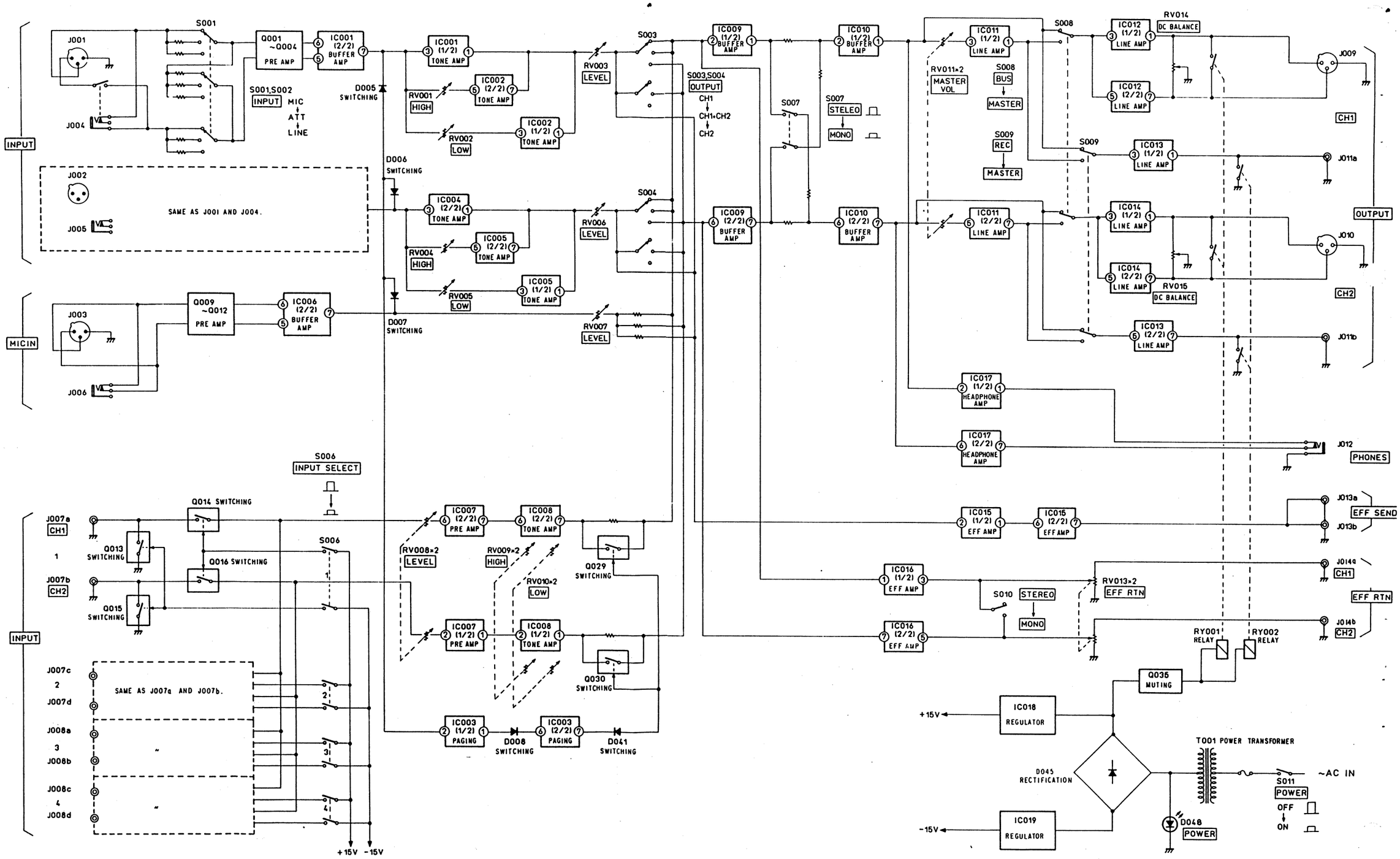
SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM



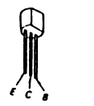
SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM

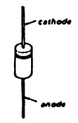


• Semiconductor Lead Layout

2SA970

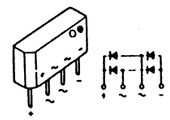


1S1555
RD3.3EB1
RD6.2EB1

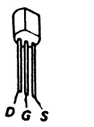


2SB560
2SD438

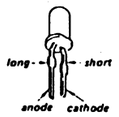
S1VB40



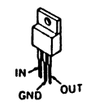
2SK117



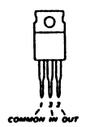
SEL2310G



NJM78M15A



NJM79M15A

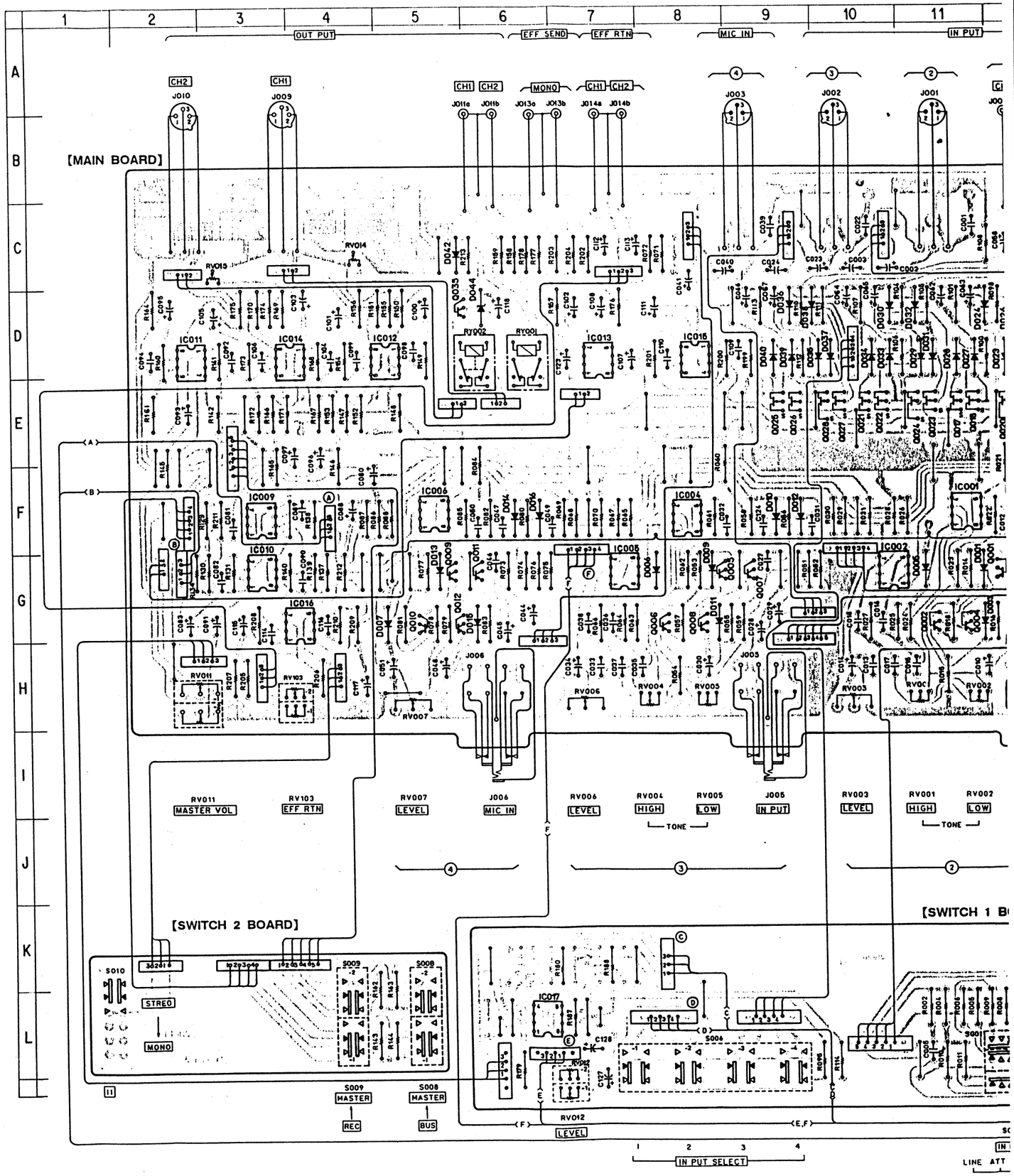


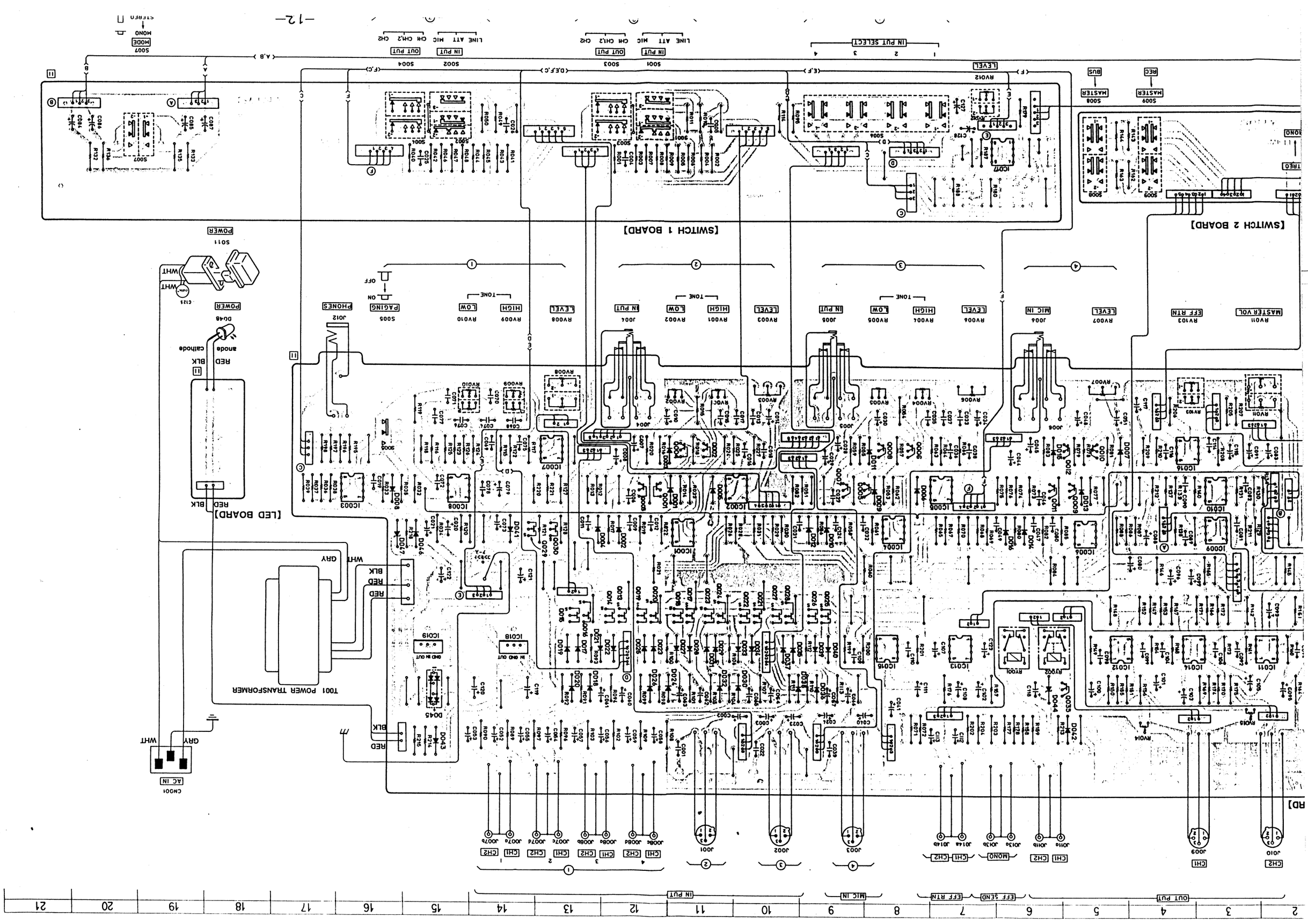
μPC4558C

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D001	G-11	Q001	G-12
D002	F-12	Q002	G-11
D003	G-11	Q003	G-12
D004	G-13	Q004	G-11
D005	G-11	Q005	G-8
D006	G-8	Q006	G-8
D007	G-5	Q007	G-9
D008	G-16	Q008	G-8
D009	G-8	Q009	G-5
D010	F-9	Q010	G-5
D011	G-8	Q011	G-6
D012	F-9	Q012	G-5
D013	G-5	Q013	E-12
D014	F-6	Q014	E-12
D015	G-6	Q015	E-13
D016	F-6	Q016	E-13
D017	D-13	Q017	E-11
D018	D-13	Q018	E-11
D019	D-13	Q019	E-12
D020	D-13	Q020	E-12
D021	D-13	Q021	E-10
D022	D-12	Q022	E-10
D023	D-12	Q023	E-11
D024	D-11	Q024	E-11
D025	D-12	Q025	E-9
D026	D-12	Q026	E-9
D027	D-11	Q027	E-10
D028	D-11	Q028	E-10
D029	D-11	Q029	F-14
D030	D-10	Q030	F-13
D031	D-11	Q035	D-6
D032	D-11		
D033	D-10		
D034	D-10		
D035	D-10		
D036	D-9		
D037	D-10		
D038	D-10		
D039	D-9		
D040	D-9		
D041	F-14		
D042	C-5		
D043	C-15		
D044	D-6		
D045	D-15		
D046	F-15		
D047	F-16		
D048	I-18		
IC001	F-11		
IC002	G-10		
IC003	G-16		
IC004	F-8		
IC005	G-7		
IC006	F-5		
IC007	G-13		
IC008	G-15		
IC009	F-3		
IC010	G-3		
IC011	D-2		
IC012	D-5		
IC013	D-7		
IC014	D-4		
IC015	D-8		
IC016	G-4		
IC017	L-6		
IC018	D-14		
IC019	D-15		

Note:
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.




[SWITCH 1 BOARD]
[SWITCH 2 BOARD]
[LED BOARD]
T001 POWER TRANSFORMER
CN001
AC IN
S011
POWER
D048
anode
cathode
RED
BLK
WHT
GRY
S001
S002
S003
S004
S005
S006
S007
S008
S009
IN PUT
OUT PUT
LINE ATT MIC CH CH1.2 CH2
IN PUT SELECT
LEVEL
TONE
HIGH
LOW
PAGING
PHONES
MASTER VOL
EFF RTN
MIC IN
EFF SEND
MASTER
BUS
REC
MONO
STEREO
MODE
J001
J002
J003
J004
J005
J006
J007
J008
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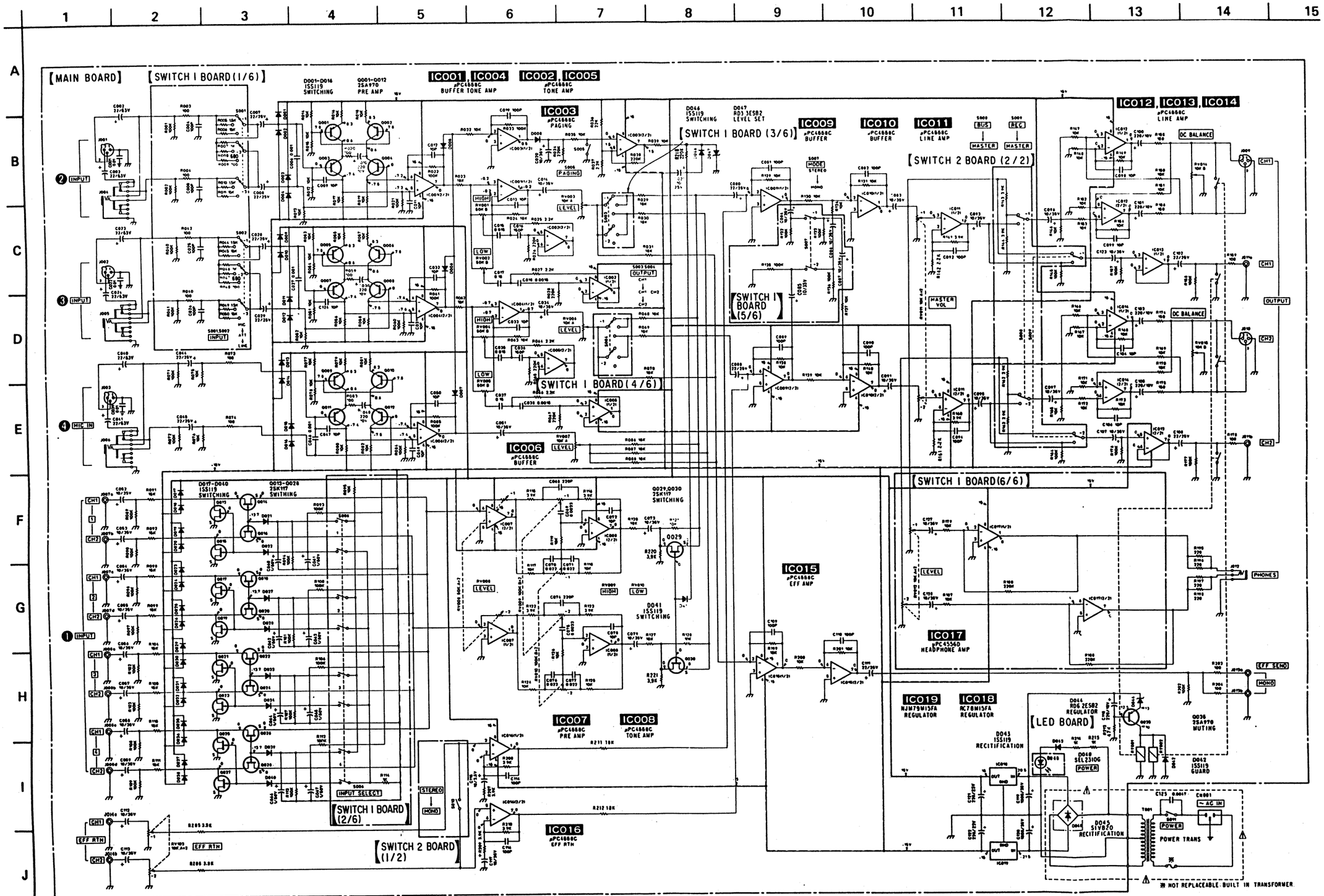
3-3. SCHEMATIC DIAGRAM



Note:

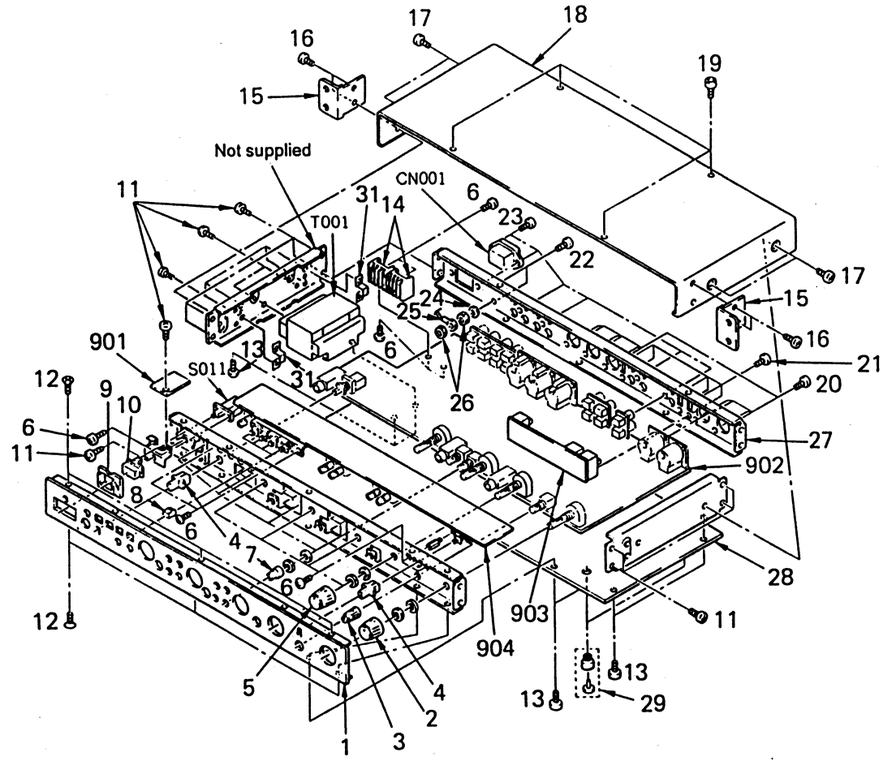
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ▬▬ : B + Line.
- ▬ ▬ : B − Line.
- ▭ : adjustment for repair.
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

SECTION 4
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.



Ref. No.	Part No.	Description	Remark
1	2-337-187-11	PANEL, FRONT	
2	X-2335-062-3	KNOB ASSY (LARGE), ROTARY	
3	2-335-451-41	KNOB (SMALL), ROTARY	
4	2-335-484-01	PUSH BUTTON (SMALL)	
5	X-2335-062-4	KNOB ASSY (LARGE), ROTARY	
6	7-682-547-04	SCREW +B 3X6	
7	2-335-853-01	KNOB	
8	2-335-454-01	PUSH BUTTON	
* 9	2-335-846-01	ESCUTCHEON	
10	2-335-924-01	BUTTON	
11	7-685-645-79	SCREW +BVTT 3X6 TYPE2 SLIT	
12	7-685-245-19	SCREW +KTP 3X6 TYPE2 NON-SLIT	
13	7-685-545-19	SCREW +B 3X6	
* 14	4-863-132-00	HEAT SINK (SMALL)	
* 15	2-335-473-11	BRACKET, RACK MOUNT	
16	7-682-548-09	SCREW +B 3X8	
17	7-682-560-09	SCREW +B 4X6	
* 18	2-335-472-01	CASE	
19	2-337-186-01	SCREW(S), ARBOR HEAD	
20	3-703-685-21	SCREW (+BV 3X8)	
21	7-621-775-10	SCREW +B 2.6X4	
22	7-685-883-09	SCREW +BVTT 4X12 (S)	
23	7-685-646-79	SCREW +BVTT 3X8 TYPE2 SLIT	
24	7-623-423-07	LW 4, TYPE B	
25	7-623-510-01	LUG, 4	
26	7-684-024-04	N 4, TYPE 2	
27	2-337-189-01	PANEL, BACK	
* 28	2-335-471-01	BOARD, BOTTOM	
29	3-670-155-11	LEG	
* 31	2-337-336-01	STOPPER, SCREW	
* 901	1-627-716-11	LED BOARD	
* 902	A-4588-304-A	MAIN BOARD, COMPLETE	
* 904	1-627-717-11	SW1 BOARD	
* 908	1-627-718-11	SW2 BOARD	

MAIN

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA . .: μA. . uPA. .: μPA. .
  uPB. .: μPB. . uPC. .: μPC. . uPD. .: μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	A-4588-304-A	MAIN BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C001	1-101-004-00	CERAMIC	0.01uF	F	
C002	1-124-916-11	ELECT	22uF	20% 63V	
C003	1-124-916-11	ELECT	22uF	20% 63V	
C006	1-130-471-51	PE TEREPHTHALATE	0.001uF		
C007	1-128-551-11	ELECT	22uF	25V	
C008	1-128-551-11	ELECT	22uF	25V	
C009	1-102-947-00	CERAMIC	10PF	5% 50V	
C010	1-126-176-11	ELECT	220uF	20% 10V	
C011	1-102-947-00	CERAMIC	10PF	5% 50V	
C012	1-102-947-00	CERAMIC	10PF	5% 50V	
C013	1-102-947-00	CERAMIC	10PF	5% 50V	
C014	1-126-964-11	ELECT	10uF	35V	
C015	1-130-485-00	MYLAR	0.015uF	5% 50V	
C016	1-101-361-00	CERAMIC	150PF	5% 50V	
C017	1-130-497-00	MYLAR	0.15uF	5% 50V	
C018	1-130-473-00	MYLAR	0.0015uF	5% 50V	
C019	1-102-973-00	CERAMIC	100PF	5% 50V	
C020	1-126-964-11	ELECT	10uF	35V	
C021	1-126-964-11	ELECT	10uF	25V	
C022	1-101-004-00	CERAMIC	0.01uF	F	
C023	1-124-916-11	ELECT	22uF	20% 63V	
C024	1-124-916-11	ELECT	22uF	20% 63V	
C027	1-130-471-51	PE TEREPHTHALATE	0.001uF		
C028	1-128-551-11	ELECT	22uF	25V	
C029	1-128-551-11	ELECT	22uF	25V	
C030	1-126-176-11	ELECT	220uF	20% 10V	
C031	1-102-947-00	CERAMIC	10PF	5% 50V	
C032	1-102-947-00	CERAMIC	10PF	5% 50V	
C033	1-102-947-00	CERAMIC	10PF	5% 50V	
C034	1-126-964-11	ELECT	10uF	35V	
C035	1-130-485-00	MYLAR	0.015uF	5% 50V	
C036	1-101-361-00	CERAMIC	150PF	5% 50V	
C037	1-130-497-00	MYLAR	0.15uF	5% 50V	
C038	1-130-473-00	MYLAR	0.0015uF	5% 50V	
C039	1-101-004-00	CERAMIC	0.01uF	F	
C040	1-124-916-11	ELECT	22uF	20% 63V	
C041	1-124-916-11	ELECT	22uF	20% 63V	
C044	1-128-551-11	ELECT	22uF	25V	
C045	1-128-551-11	ELECT	22uF	25V	
C046	1-130-471-51	PE TEREPHTHALATE	0.001uF		
C047	1-102-947-00	CERAMIC	10PF	5% 50V	
C048	1-126-176-11	ELECT	220uF	20% 10V	
C049	1-102-947-00	CERAMIC	10PF	5% 50V	
C050	1-102-947-00	CERAMIC	10PF	5% 50V	
C051	1-126-964-11	ELECT	10uF	35V	
C052	1-126-964-11	ELECT	10uF	35V	
C053	1-126-964-11	ELECT	10uF	35V	
C054	1-126-964-11	ELECT	10uF	35V	
C055	1-126-964-11	ELECT	10uF	35V	
C056	1-126-964-11	ELECT	10uF	35V	
C057	1-126-964-11	ELECT	10uF	35V	
C058	1-126-964-11	ELECT	10uF	35V	
C059	1-126-964-11	ELECT	10uF	35V	
C060	1-124-903-11	ELECT	1uF	35V	
C061	1-124-903-11	ELECT	1uF	35V	
C062	1-124-903-11	ELECT	1uF	35V	
C063	1-124-903-11	ELECT	1uF	35V	
C064	1-124-903-11	ELECT	1uF	35V	
C065	1-124-903-11	ELECT	1uF	35V	
C066	1-124-903-11	ELECT	1uF	35V	
C067	1-124-903-11	ELECT	1uF	35V	
C068	1-102-978-00	CERAMIC	220PF	5% 50V	
C069	1-130-477-00	MYLAR	0.0033uF	5% 50V	
C070	1-130-487-00	MYLAR	0.022uF	5% 50V	
C071	1-130-487-00	MYLAR	0.022uF	5% 50V	
C072	1-102-947-00	CERAMIC	10PF	5% 50V	
C073	1-126-964-11	ELECT	10uF	35V	
C074	1-102-978-00	CERAMIC	220PF	5% 50V	
C075	1-130-477-00	MYLAR	0.0033uF	5% 50V	
C076	1-130-487-00	MYLAR	0.022uF	5% 50V	
C077	1-130-487-00	MYLAR	0.022uF	5% 50V	
C078	1-102-947-00	CERAMIC	10PF	5% 50V	
C079	1-126-964-11	ELECT	10uF	35V	
C080	1-128-551-11	ELECT	22uF	50V	
C081	1-102-973-00	CERAMIC	100PF	5% 50V	

MAIN

Ref. No.	Part No.	Description			Remark
C082	1-102-973-00	CERAMIC	100PF	5%	50V
C083	1-126-964-11	ELECT	10uF		35V
C088	1-128-551-11	ELECT	22uF		25V
C089	1-102-973-00	CERAMIC	100PF	5%	50V
C090	1-102-973-00	CERAMIC	100PF	5%	50V
C091	1-126-964-11	ELECT	10uF		35V
C092	1-102-973-00	CERAMIC	100PF	5%	50V
C093	1-126-964-11	ELECT	10uF		35V
C094	1-102-973-00	CERAMIC	100PF	5%	50V
C095	1-126-964-11	ELECT	10uF		35V
C096	1-126-964-11	ELECT	10uF		35V
C097	1-126-964-11	ELECT	10uF		35V
C098	1-102-947-00	CERAMIC	10PF	5%	50V
C099	1-102-947-00	CERAMIC	10PF	5%	50V
C100	1-126-176-11	ELECT	220uF	20%	10V
C101	1-126-176-11	ELECT	220uF	20%	10V
C102	1-128-551-11	ELECT	22uF		25V
C103	1-126-176-11	ELECT	220uF	20%	10V
C104	1-102-947-00	CERAMIC	10PF	5%	50V
C105	1-126-176-11	ELECT	220uF	20%	10V
C106	1-102-947-00	CERAMIC	10PF	5%	50V
C107	1-126-964-11	ELECT	10uF		35V
C108	1-128-551-11	ELECT	22uF		25V
C109	1-102-973-00	CERAMIC	100PF	5%	50V
C110	1-102-973-00	CERAMIC	100PF	5%	50V
C111	1-128-551-11	ELECT	22uF		25V
C112	1-126-964-11	ELECT	10uF		35V
C113	1-126-964-11	ELECT	10uF		35V
C114	1-102-973-00	CERAMIC	100PF	5%	50V
C115	1-126-964-11	ELECT	10uF		35V
C116	1-102-973-00	CERAMIC	100PF	5%	50V
C117	1-126-964-11	ELECT	10uF		35V
C118	1-126-176-11	ELECT	220uF	20%	10V
C119	1-126-105-11	ELECT	1000uF	20%	35V
C120	1-126-105-11	ELECT	1000uF	20%	35V
C121	1-124-120-11	ELECT	220uF	20%	25V
C122	1-124-120-11	ELECT	220uF	20%	25V
C123	1-126-964-11	ELECT	10uF		35V
C124	1-102-947-00	CERAMIC	10PF	5%	50V
⚠C125	1-161-743-00	CERAMIC	4700PF	FZ	

< CONNECTOR >

⚠CN001	1-580-375-21	INLET 3P (~AC IN)
* J001	1-563-080-11	CONNECTOR (RECEPTACLE) 3P (INPUT)
* J002	1-563-080-11	CONNECTOR (RECEPTACLE) 3P (INPUT)
* J003	1-563-080-11	CONNECTOR (RECEPTACLE) 3P (MIC IN)
* J009	1-566-852-11	CONNECTOR (RECEPTACLE) 3P (OUTPUT)
* J010	1-566-852-11	CONNECTOR (RECEPTACLE) 3P (OUTPUT)

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D001	8-719-911-19	DIODE 1SS119	
D002	8-719-911-19	DIODE 1SS119	
D003	8-719-911-19	DIODE 1SS119	
D004	8-719-911-19	DIODE 1SS119	
D005	8-719-911-19	DIODE 1SS119	
D006	8-719-911-19	DIODE 1SS119	
D007	8-719-911-19	DIODE 1SS119	
D008	8-719-911-19	DIODE 1SS119	
D009	8-719-911-19	DIODE 1SS119	
D010	8-719-911-19	DIODE 1SS119	
D011	8-719-911-19	DIODE 1SS119	
D012	8-719-911-19	DIODE 1SS119	
D013	8-719-911-19	DIODE 1SS119	
D014	8-719-911-19	DIODE 1SS119	
D015	8-719-911-19	DIODE 1SS119	
D016	8-719-911-19	DIODE 1SS119	
D017	8-719-911-19	DIODE 1SS119	
D018	8-719-911-19	DIODE 1SS119	
D019	8-719-911-19	DIODE 1SS119	
D020	8-719-911-19	DIODE 1SS119	
D021	8-719-911-19	DIODE 1SS119	
D022	8-719-911-19	DIODE 1SS119	
D023	8-719-911-19	DIODE 1SS119	
D024	8-719-911-19	DIODE 1SS119	
D025	8-719-911-19	DIODE 1SS119	
D026	8-719-911-19	DIODE 1SS119	
D027	8-719-911-19	DIODE 1SS119	
D028	8-719-911-19	DIODE 1SS119	
D029	8-719-911-19	DIODE 1SS119	
D030	8-719-911-19	DIODE 1SS119	
D031	8-719-911-19	DIODE 1SS119	
D032	8-719-911-19	DIODE 1SS119	
D033	8-719-911-19	DIODE 1SS119	
D034	8-719-911-19	DIODE 1SS119	
D035	8-719-911-19	DIODE 1SS119	
D036	8-719-911-19	DIODE 1SS119	
D037	8-719-911-19	DIODE 1SS119	
D038	8-719-911-19	DIODE 1SS119	
D039	8-719-911-19	DIODE 1SS119	
D040	8-719-911-19	DIODE 1SS119	
D041	8-719-911-19	DIODE 1SS119	
D042	8-719-911-19	DIODE 1SS119	
D043	8-719-911-19	DIODE 1SS119	
D044	8-719-109-93	DIODE RD6.2ESB2	
⚠D045	8-719-511-40	DIODE S1VB40	
D046	8-719-109-66	DIODE RD3.3ESB2	
D047	8-719-911-19	DIODE 1SS119	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

MAIN

Ref. No.	Part No.	Description	Remark
		< IC >	
IC001	8-759-145-58	IC uPC4558C	
IC002	8-759-145-58	IC uPC4558C	
IC003	8-759-145-58	IC uPC4558C	
IC004	8-759-145-58	IC uPC4558C	
IC005	8-759-145-58	IC uPC4558C	
IC006	8-759-145-58	IC uPC4558C	
IC007	8-759-145-58	IC uPC4558C	
IC008	8-759-145-58	IC uPC4558C	
IC009	8-759-145-58	IC uPC4558C	
IC010	8-759-145-58	IC uPC4558C	
IC011	8-759-145-58	IC uPC4558C	
IC012	8-759-145-58	IC uPC4558C	
IC013	8-759-145-58	IC uPC4558C	
IC014	8-759-145-58	IC uPC4558C	
IC015	8-759-145-58	IC uPC4558C	
IC016	8-759-145-58	IC uPC4558C	
IC018	8-759-701-61	IC RC78M15FA	
IC019	8-759-701-70	IC NJM79M15FA	
		< JACK >	
J004	1-507-932-11	JACK, LARGE TYPE (INPUT)	
J005	1-507-932-11	JACK, LARGE TYPE (INPUT)	
J006	1-507-932-11	JACK, LARGE TYPE (MIC IN)	
J007	1-566-854-21	JACK, PIN 4P (INPUT 1, 2)	
J008	1-566-854-21	JACK, PIN 4P (INPUT 3, 4)	
* J011	1-563-419-11	JACK, PIN 2P (OUTPUT)	
J012	1-507-863-51	JACK, PHONE (PHONES)	
J013	1-566-855-21	JACK, PIN 2P (EFF SEND)	
* J014	1-563-419-11	JACK, PIN 2P (EFF RTN)	
		< TRANSISTOR >	
Q001	8-729-297-02	TRANSISTOR 2SA970-BL	
Q002	8-729-297-02	TRANSISTOR 2SA970-BL	
Q003	8-729-297-02	TRANSISTOR 2SA970-BL	
Q004	8-729-297-02	TRANSISTOR 2SA970-BL	
Q005	8-729-297-02	TRANSISTOR 2SA970-BL	
Q006	8-729-297-02	TRANSISTOR 2SA970-BL	
Q007	8-729-297-02	TRANSISTOR 2SA970-BL	
Q008	8-729-297-02	TRANSISTOR 2SA970-BL	
Q009	8-729-297-02	TRANSISTOR 2SA970-BL	
Q010	8-729-297-02	TRANSISTOR 2SA970-BL	
Q011	8-729-297-02	TRANSISTOR 2SA970-BL	
Q012	8-729-297-02	TRANSISTOR 2SA970-BL	
Q013	8-729-201-16	TRANSISTOR 2SK117-Y	
Q014	8-729-201-16	TRANSISTOR 2SK117-Y	
Q015	8-729-201-16	TRANSISTOR 2SK117-Y	
Q016	8-729-201-16	TRANSISTOR 2SK117-Y	
Q017	8-729-201-16	TRANSISTOR 2SK117-Y	
Q018	8-729-201-16	TRANSISTOR 2SK117-Y	
Q019	8-729-201-16	TRANSISTOR 2SK117-Y	
Q020	8-729-201-16	TRANSISTOR 2SK117-Y	
Q021	8-729-201-16	TRANSISTOR 2SK117-Y	
Q022	8-729-201-16	TRANSISTOR 2SK117-Y	
Q023	8-729-201-16	TRANSISTOR 2SK117-Y	
Q024	8-729-201-16	TRANSISTOR 2SK117-Y	
Q025	8-729-201-16	TRANSISTOR 2SK117-Y	
Q026	8-729-201-16	TRANSISTOR 2SK117-Y	
Q027	8-729-201-16	TRANSISTOR 2SK117-Y	
Q028	8-729-201-16	TRANSISTOR 2SK117-Y	
Q029	8-729-201-16	TRANSISTOR 2SK117-Y	
Q030	8-729-201-16	TRANSISTOR 2SK117-Y	
Q035	8-729-297-02	TRANSISTOR 2SA770-BL	
		< RESISTOR >	
R012	1-247-725-11	CARBON 10K 5% 1/4W	
R013	1-247-725-11	CARBON 10K 5% 1/4W	
R014	1-247-725-11	CARBON 10K 5% 1/4W	
R015	1-247-725-11	CARBON 10K 5% 1/4W	
R016	1-247-725-11	CARBON 10K 5% 1/4W	
R017	1-247-725-11	CARBON 10K 5% 1/4W	
R018	1-247-725-11	CARBON 10K 5% 1/4W	
R019	1-247-725-11	CARBON 10K 5% 1/4W	
R020	1-247-700-11	CARBON 100 5% 1/4W	
R021	1-249-469-11	CARBON 100K 5% 1/4W	
R022	1-249-469-11	CARBON 100K 5% 1/4W	
R023	1-249-461-11	CARBON 18K 5% 1/4W	
R024	1-249-461-11	CARBON 18K 5% 1/4W	
R025	1-246-481-25	CARBON 2.2K	
R026	1-247-887-00	CARBON 220K 5% 1/4W	
R027	1-246-481-25	CARBON 2.2K	
R028	1-247-887-00	CARBON 220K 5% 1/4W	
R029	1-249-461-11	CARBON 18K 5% 1/4W	
R030	1-249-461-11	CARBON 18K 5% 1/4W	
R031	1-249-461-11	CARBON 18K 5% 1/4W	
R032	1-247-725-11	CARBON 10K 5% 1/4W	
R033	1-249-469-11	CARBON 100K 5% 1/4W	
R034	1-247-887-00	CARBON 220K 5% 1/4W	
R035	1-247-725-11	CARBON 10K 5% 1/4W	
R036	1-249-462-11	CARBON 22K 5% 1/4W	
R037	1-246-481-25	CARBON 2.2K	
R038	1-247-887-00	CARBON 220K 5% 1/4W	
R039	1-247-725-11	CARBON 10K 5% 1/4W	
R051	1-247-725-11	CARBON 10K 5% 1/4W	
R052	1-247-725-11	CARBON 10K 5% 1/4W	
R053	1-247-725-11	CARBON 10K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description			Remark
R054	1-247-725-11	CARBON	10K	5% 1/4W	
R055	1-247-725-11	CARBON	10K	5% 1/4W	
R056	1-247-725-11	CARBON	10K	5% 1/4W	
R057	1-247-725-11	CARBON	10K	5% 1/4W	
R058	1-247-725-11	CARBON	10K	5% 1/4W	
R059	1-247-700-11	CARBON	100	5% 1/4W	
R060	1-249-469-11	CARBON	100K	5% 1/4W	
R061	1-249-469-11	CARBON	100K	5% 1/4W	
R062	1-249-461-11	CARBON	18K	5% 1/4W	
R063	1-249-461-11	CARBON	18K	5% 1/4W	
R064	1-246-481-25	CARBON	2.2K		
R065	1-247-887-00	CARBON	220K	5% 1/4W	
R066	1-246-481-25	CARBON	2.2K		
R067	1-247-887-00	CARBON	220K	5% 1/4W	
R068	1-249-461-11	CARBON	18K	5% 1/4W	
R069	1-249-461-11	CARBON	18K	5% 1/4W	
R070	1-249-461-11	CARBON	18K	5% 1/4W	
R071	1-249-469-11	CARBON	100K	5% 1/4W	
R072	1-249-469-11	CARBON	100K	5% 1/4W	
R073	1-247-700-11	CARBON	100	5% 1/4W	
R074	1-247-700-11	CARBON	100	5% 1/4W	
R075	1-247-725-11	CARBON	10K	5% 1/4W	
R076	1-247-725-11	CARBON	10K	5% 1/4W	
R077	1-247-725-11	CARBON	10K	5% 1/4W	
R078	1-247-725-11	CARBON	10K	5% 1/4W	
R079	1-247-725-11	CARBON	10K	5% 1/4W	
R080	1-247-725-11	CARBON	10K	5% 1/4W	
R081	1-247-725-11	CARBON	10K	5% 1/4W	
R082	1-247-725-11	CARBON	10K	5% 1/4W	
R083	1-247-700-11	CARBON	100	5% 1/4W	
R084	1-249-469-11	CARBON	100K	5% 1/4W	
R085	1-249-469-11	CARBON	100K	5% 1/4W	
R086	1-249-461-11	CARBON	18K	5% 1/4W	
R087	1-249-461-11	CARBON	18K	5% 1/4W	
R088	1-249-461-11	CARBON	18K	5% 1/4W	
R089	1-249-469-11	CARBON	100K	5% 1/4W	
R090	1-249-469-11	CARBON	100K	5% 1/4W	
R091	1-249-460-11	CARBON	15K	5% 1/4W	
R092	1-249-460-11	CARBON	15K	5% 1/4W	
R093	1-249-469-11	CARBON	100K	5% 1/4W	
R094	1-249-469-11	CARBON	100K	5% 1/4W	
R096	1-249-469-11	CARBON	100K	5% 1/4W	
R097	1-249-469-11	CARBON	100K	5% 1/4W	
R098	1-249-460-11	CARBON	15K	5% 1/4W	
R099	1-249-460-11	CARBON	15K	5% 1/4W	
R100	1-249-469-11	CARBON	100K	5% 1/4W	
R101	1-249-469-11	CARBON	100K	5% 1/4W	
R102	1-249-469-11	CARBON	100K	5% 1/4W	
R103	1-249-469-11	CARBON	100K	5% 1/4W	

Ref. No.	Part No.	Description			Remark
R104	1-249-460-11	CARBON	15K	5% 1/4W	
R105	1-249-460-11	CARBON	15K	5% 1/4W	
R106	1-249-469-11	CARBON	100K	5% 1/4W	
R107	1-249-469-11	CARBON	100K	5% 1/4W	
R108	1-249-469-11	CARBON	100K	5% 1/4W	
R109	1-249-469-11	CARBON	100K	5% 1/4W	
R110	1-249-460-11	CARBON	15K	5% 1/4W	
R111	1-249-460-11	CARBON	15K	5% 1/4W	
R112	1-249-469-11	CARBON	100K	5% 1/4W	
R113	1-249-469-11	CARBON	100K	5% 1/4W	
R115	1-247-720-11	CARBON	3.9K	5% 1/4W	
R116	1-247-720-11	CARBON	3.9K	5% 1/4W	
R117	1-247-725-11	CARBON	10K	5% 1/4W	
R118	1-247-725-11	CARBON	10K	5% 1/4W	
R119	1-247-725-11	CARBON	10K	5% 1/4W	
R120	1-249-461-11	CARBON	18K	5% 1/4W	
R121	1-247-725-11	CARBON	10K	5% 1/4W	
R122	1-247-720-11	CARBON	3.9K	5% 1/4W	
R123	1-247-720-11	CARBON	3.9K	5% 1/4W	
R124	1-247-725-11	CARBON	10K	5% 1/4W	
R125	1-247-725-11	CARBON	10K	5% 1/4W	
R126	1-247-725-11	CARBON	10K	5% 1/4W	
R127	1-249-461-11	CARBON	18K	5% 1/4W	
R128	1-247-725-11	CARBON	10K	5% 1/4W	
R129	1-247-725-11	CARBON	10K	5% 1/4W	
R130	1-247-725-11	CARBON	10K	5% 1/4W	
R131	1-247-725-11	CARBON	10K	5% 1/4W	
R134	1-247-725-11	CARBON	10K	5% 1/4W	
R137	1-247-725-11	CARBON	10K	5% 1/4W	
R138	1-247-725-11	CARBON	10K	5% 1/4W	
R139	1-247-725-11	CARBON	10K	5% 1/4W	
R140	1-247-725-11	CARBON	10K	5% 1/4W	
R141	1-247-720-11	CARBON	3.9K	5% 1/4W	
R142	1-246-481-25	CARBON	2.2K		
R145	1-249-469-11	CARBON	100K	5% 1/4W	
R146	1-247-725-11	CARBON	10K	5% 1/4W	
R147	1-247-725-11	CARBON	10K	5% 1/4W	
R148	1-247-725-11	CARBON	10K	5% 1/4W	
R149	1-247-725-11	CARBON	10K	5% 1/4W	
R150	1-247-725-11	CARBON	10K	5% 1/4W	
R151	1-247-725-11	CARBON	10K	5% 1/4W	
R152	1-247-725-11	CARBON	10K	5% 1/4W	
R153	1-247-725-11	CARBON	10K	5% 1/4W	
R154	1-247-725-11	CARBON	10K	5% 1/4W	
R155	1-247-702-11	CARBON	150	5% 1/4W	
R156	1-247-702-11	CARBON	150	5% 1/4W	
R157	1-249-469-11	CARBON	100K	5% 1/4W	
R158	1-249-469-11	CARBON	100K	5% 1/4W	
R159	1-247-700-11	CARBON	100	5% 1/4W	

MAIN **LED** **SW1**

Ref. No.	Part No.	Description			Remark
R160	1-247-720-11	CARBON	3.9K	5% 1/4W	
R161	1-246-481-25	CARBON	2.2K		
R164	1-249-469-11	CARBON	100K	5% 1/4W	
R165	1-247-725-11	CARBON	10K	5% 1/4W	
R166	1-247-725-11	CARBON	10K	5% 1/4W	
R167	1-247-725-11	CARBON	10K	5% 1/4W	
R168	1-247-725-11	CARBON	10K	5% 1/4W	
R169	1-247-725-11	CARBON	10K	5% 1/4W	
R170	1-247-725-11	CARBON	10K	5% 1/4W	
R171	1-247-725-11	CARBON	10K	5% 1/4W	
R172	1-247-725-11	CARBON	10K	5% 1/4W	
R173	1-247-725-11	CARBON	10K	5% 1/4W	
R174	1-247-702-11	CARBON	150	5% 1/4W	
R175	1-247-702-11	CARBON	150	5% 1/4W	
R176	1-249-469-11	CARBON	100K	5% 1/4W	
R177	1-249-469-11	CARBON	100K	5% 1/4W	
R178	1-247-700-11	CARBON	100	5% 1/4W	
R195	1-247-704-11	CARBON	220	5% 1/4W	
R196	1-247-704-11	CARBON	220	5% 1/4W	
R197	1-247-704-11	CARBON	220	5% 1/4W	
R198	1-247-704-11	CARBON	220	5% 1/4W	
R199	1-247-725-11	CARBON	10K	5% 1/4W	
R200	1-247-725-11	CARBON	10K	5% 1/4W	
R201	1-247-725-11	CARBON	10K	5% 1/4W	
R202	1-249-469-11	CARBON	100K	5% 1/4W	
R203	1-247-700-11	CARBON	100	5% 1/4W	
R204	1-247-700-11	CARBON	100	5% 1/4W	
R205	1-247-720-11	CARBON	3.9K	5% 1/4W	
R206	1-247-720-11	CARBON	3.9K	5% 1/4W	
R207	1-247-720-11	CARBON	3.9K	5% 1/4W	
R208	1-247-720-11	CARBON	3.9K	5% 1/4W	
R209	1-247-720-11	CARBON	3.9K	5% 1/4W	
R210	1-247-720-11	CARBON	3.9K	5% 1/4W	
R211	1-249-461-11	CARBON	18K	5% 1/4W	
R212	1-249-461-11	CARBON	18K	5% 1/4W	
R213	1-249-465-11	CARBON	47K	5% 1/4W	
R214	1-247-713-11	CARBON	1K	5% 1/4W	
R215	1-247-713-11	CARBON	1K	5% 1/4W	
R218	1-247-887-00	CARBON	220K	5% 1/4W	
R220	1-247-720-11	CARBON	3.9K	5% 1/4W	
R221	1-247-720-11	CARBON	3.9K	5% 1/4W	
		< VARIABLE RESISTOR >			
RV001	1-238-231-11	RES, VAR, CARBON	50K		
RV002	1-238-231-11	RES, VAR, CARBON	50K		
RV003	1-230-085-00	RES, VAR, CARBON	10K		
RV004	1-238-231-11	RES, VAR, CARBON	50K		
RV005	1-238-231-11	RES, VAR, CARBON	50K		
RV006	1-230-085-00	RES, VAR, CARBON	10K		
RV007	1-230-085-00	RES, VAR, CARBON	10K		
RV008	1-226-997-00	RES, VAR, CARBON	50K/50K		
RV009	1-238-233-11	RES, VAR, CARBON	100K/100K		
RV010	1-238-233-11	RES, VAR, CARBON	100K/100K		
RV011	1-238-283-11	RES, VAR, CARBON	10K/10K		
RV014	1-230-523-11	RES, ADJ, METAL	10K		
RV015	1-230-523-11	RES, ADJ, METAL	10K		
RV103	1-238-285-11	RES, VAR, CARBON	10K/10K		
		< RELAY >			
RY001	1-515-519-00	RELAY			
RY002	1-515-519-00	RELAY			
		< SWITCH >			
S005	1-571-225-11	SWITCH, PUSH (1 KEY) (PAGING)			
⚠S011	1-572-267-21	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)			
		< TRANSFORMER >			
⚠T001	1-429-110-11	TRANSFORMER, POWER (POWER)			
**********					
*	1-627-716-11	LED BOARD			
		*********			
		< DIODE >			
D048	8-719-812-43	LED	TLG124A		
**********					
*	1-627-717-11	SW1 BOARD			
		*********			
		< CAPACITOR >			
C004	1-102-973-00	CERAMIC	100PF	5% 50V	
C005	1-102-973-00	CERAMIC	100PF	5% 50V	
C025	1-102-973-00	CERAMIC	100PF	5% 50V	
C026	1-102-973-00	CERAMIC	100PF	5% 50V	
C084	1-126-964-11	ELECT	10uF	20% 35V	
C085	1-126-964-11	ELECT	10uF	20% 35V	
C086	1-126-964-11	ELECT	10uF	20% 35V	
C087	1-126-964-11	ELECT	10uF	20% 35V	
C127	1-126-964-11	ELECT	10uF	20% 35V	
C128	1-126-964-11	ELECT	10uF	20% 35V	
		< IC >			
IC017	8-759-981-85	IC	RC4556D		

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R001	1-249-469-11	CARBON	100K	5% 1/4W	
R002	1-249-469-11	CARBON	100K	5% 1/4W	
R003	1-247-700-11	CARBON	100	5% 1/4W	
R004	1-247-700-11	CARBON	100	5% 1/4W	
R005	1-247-715-11	CARBON	1.5K	5% 1/4W	
R006	1-249-460-11	CARBON	15K	5% 1/4W	
R007	1-247-713-11	CARBON	1K	5% 1/4W	
R008	1-247-711-11	CARBON	680	5% 1/4W	
R009	1-247-700-11	CARBON	100	5% 1/4W	
R010	1-247-715-11	CARBON	1.5K	5% 1/4W	
R011	1-249-460-11	CARBON	15K	5% 1/4W	
R040	1-249-469-11	CARBON	100K	5% 1/4W	
R041	1-249-469-11	CARBON	100K	5% 1/4W	
R042	1-247-700-11	CARBON	100	5% 1/4W	
R043	1-247-700-11	CARBON	100	5% 1/4W	
R044	1-247-715-11	CARBON	1.5K	5% 1/4W	
R045	1-249-460-11	CARBON	15K	5% 1/4W	
R046	1-247-713-11	CARBON	1K	5% 1/4W	
R047	1-247-711-11	CARBON	680	5% 1/4W	
R048	1-247-700-11	CARBON	100	5% 1/4W	
R049	1-247-715-11	CARBON	1.5K	5% 1/4W	
R050	1-249-460-11	CARBON	15K	5% 1/4W	
R095	1-247-725-11	CARBON	10K	5% 1/4W	
R114	1-247-713-11	CARBON	1K	5% 1/4W	
R132	1-249-469-11	CARBON	100K	5% 1/4W	
R133	1-249-469-11	CARBON	100K	5% 1/4W	
R135	1-249-469-11	CARBON	100K	5% 1/4W	
R136	1-249-469-11	CARBON	100K	5% 1/4W	
R179	1-247-725-11	CARBON	10K	5% 1/4W	
R180	1-247-887-00	CARBON	220K	5% 1/4W	
R187	1-247-725-11	CARBON	10K	5% 1/4W	
R188	1-247-887-00	CARBON	220K	5% 1/4W	
		< VARIABLE RESISTOR >			
RV012	1-238-284-11	RES, VAR, CARBON 10K/10K			
		< SWITCH >			
S001	1-571-357-11	SWITCH, ROTARY (INPUT)			
S002	1-571-357-11	SWITCH, ROTARY (INPUT)			
S003	1-571-357-11	SWITCH, ROTARY (OUTPUT)			
S004	1-571-357-11	SWITCH, ROTARY (OUTPUT)			
S006	1-571-598-11	SWITCH, PUSH (4 KEY) (INPUT SELECT)			
S007	1-571-221-11	SWITCH, PUSH (1 KEY) (MODE)			

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Ref. No.	Part No.	Description			Remark
*	1-627-718-11	SW2 BOARD			
		*********			
		< RESISTOR >			
R143	1-247-720-11	CARBON	3.9K	5% 1/4W F	
R144	1-247-720-11	CARBON	3.9K	5% 1/4W F	
R162	1-247-720-11	CARBON	3.9K	5% 1/4W F	
R163	1-247-720-11	CARBON	3.9K	5% 1/4W F	
		< SWITCH >			
S008	1-553-638-00	SWITCH, SLIDE (BUS/MASTER)			
S009	1-553-638-00	SWITCH, SLIDE (REC/MASTER)			
S010	1-553-638-00	SWITCH, SLIDE (STEREO/MONO)			

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ACCESSORIES & PACKING MATERIALS

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⚠	1-551-631-00	CORD, POWER
	2-057-975-01	BAG, ACCESSORY
*	2-337-182-02	INDIVIDUAL CARTON
	2-337-211-11	MANUAL, INSTRUCTION (ENGLISH)

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.